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Guide to Contributors

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STYLE AND ORGANIZATION

Original research papers should conform as far as possible to the following pattern, although unnecessary standardization is not desired:

Title must be kept short, specific, and informative for retrieval systems. Subtitles and series papers should be avoided.

Abstract must be complete in itself. It should be informative in scope, methods, and results; briefly indicate significance of the findings; be free of unnecessary description; and not exceed 200 words. Authors are encouraged to provide an abstract in both languages; one must be provided in the same language as the text.

Introduction should outline the problem, referring only to pertinent investigations, and define the objectives or reasons for the study.

Materials and methods or Experimental procedures should include a description of design and organization of the investigation. Procedures, including those for statistical analyses of data, must be either referenced or described in enough detail to permit the work to be repeated.

Results are preferably separated from discussion. The text must be meaningful without reading of tables, illustrations, or other research; these should be referred to in parentheses. Only data necessary to support the text should be given. Data must not be duplicated in tables and in illustrations, and should be summarized so that they can be easily understood. Statistical analyses should be used when appropriate to aid in interpreting the data, but should not mask the comparisons of interest. Inclusion of preliminary or raw data, even in an appendix, is discouraged. Measurements should be reported in metric units.

Discussion should give the significance of the findings, and their relation to published research. Importance of this section cannot be overemphasized.

Conclusions as a separate section are optional.

Acknowledgments, if included, are placed at end of text.

References should be listed alphabetically by author, without numbers, in the form described by the Style Manual for Biological Journals. Citations in text are made by the name-and-year system. Manuscript reports may be listed in the References, but should be cited in the text with the letters "MS" preceding the year.

Notes are for publishing research with narrow boundaries that may result as a by-product of investigations, for describing research techniques and fishing methods, for establishing publication priority, and for reporting useful information from projects that were terminated before completion. This section is not a repository for inferior research. If the scope of the Note permits.

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Review articles should include an abstract, assess the state of research and knowledge on the subject, and be organized under a logical sequence of topics.

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Tables and illustrations should be self-explanatory. Consistency in headings and in format is desirable whenever possible. Avoid obscure abbreviations. Size of tables should be 8.5 by 11 inches or less. **Do not** use vertical rules.

Line drawings should be made with black india ink or printed transparent overlays on white drawing or tracing paper. Coordinate paper with orange, yellow, green, or red grids **must not** be used. All lines, symbols, letters, and numerals must be neat, and of the appropriate size for the desired reduction. Do not use typewriting. Two or more drawings should be grouped whenever possible, making full use of space available. In full-page illustrations, the ratio of width to height should conform to that of the Journal page (5 by 7.5 inches) with allowance for captions. Captions for illustrations should be typed on a separate sheet (or sheets) at the end of the manuscript, and each illustration must be identified. Size of illustrations ordinarily should be 8.5 by 11 inches or less

Prints of photographs should be made on glossy paper with a wide range in tone. They should be cropped, squared, and mounted with rubber cement on white cardboard, without space between those arranged in groups. Make full use of available space.

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Manuscripts and illustrations should be carefully checked before they are submitted. Mail them flat, without staples or clips.

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